W6NWG W6NWG W6NWG W6NWG

Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073

JUN'92

##########################
J U N E ***** 1992 ** 56 YRS
######## Volume XVIII NO. 6
##########################

June 3rd meeting, 1st Wed Carlsbad Safety Ctr, Palomar Airport road to Camino Real, East on Faraday 1/4mi, left to C.S. Ctr., T.B. pg 14,F6. Talk in 146.730 / 147.130

##########################

PARC Frequencies used:

145.050s Pkt NET ROM NODE
W6NWG-1, PARC, WI6B-RonW
146.175+,PL,Patch, Fallbrook
**WA6IPD, .. Art Rideout
146.520s, National Simplex
146.535s,Palomar ARC Simplex
146.730-, Patch(PL), P. Mt.
*W6NWG,PARC, WI6B-Ron W.
147.130+, PL, Patch, P. Mt.
*KA6UAI, Eric Thompson
224.900-, PL, Palomar Mt.
WD6HFR, 220 Club of S.D.
METROLINK Pkt9600 baud Relay
W6NWG-2, PARC, WI6B-RonW
446.000s, National Simplex
446.400-,linked 147.13 KMesa
*KA6UAI, Eric Thompson
446.500s,Palomar ARC Simplex
449.425-,PL, Patch, P. Mt.
*W6NWG,PARC, WI6B, Ron W
107.2 Hz used for all PL's
*= patches thru P.Mt.Rptrs.
Covering 2,000sq.mi.SDCo
& all SDCo phone prefixes
** = patch, local VSTA/FBRK
Load your memories with the PARC frequencies listed.

AUTOPATCH OUTLET CENTERS:
WB6FMT-Jerry, P.Mt-> VSTA
WV6Z-Del, P.Mt-> MMSA
N6IZW-Kerry, P.Mt-> LMSA
WA6IPD-Art,Fallbrook>FBRK

C A L E N D A R

Jun 6	Sat	Santee Swap Meet
Jun 3	Wed	Club Mtg.Carlsbad
Jun11	Thu	Exec Mtg. @ W9FQN
Jun13	Sat	PARC VE. Carlsbad
Jun13	Sat	Lunch Ocsd. N6OPP Barbershop Quartet
Jun16	Tue	Del Mar Fair Open
Jun18	Thu	SCOPE -> Deadline
Jun 27-28		FIELD DAY V1ly1Ct
J.. ..-..		PARC at DelMarFair
Jul31	Fri	UR MEMBERSHIP ENDS
if 9207		and UR last SCOPE
Aug 1	Sat	Start PARC New Yr
Aug 14-16		Miramar Air Show
Aug15	Sun	PARC Picnic Esc.
Aug 20-23		ARRL NAT.CONV. LA

NEXT CLUB MEETING

Art McBride-KC6UQH, VP and program chairman, has announced that the next club meeting will be at the Carlsbad Safety Center in Carlsbad so that you will be able to better see a program by Marvin-W6PKK on Packet with the computer screen projected on the wall by the GREAT Carlsbad Safety Center projection system. There will probably be several packet stations talking to each other. Don't miss this great demo.

SECOND NOTICE OF VOTE ON PROPOSED BYLAWS AT THE JUNE MEETING. Last month we published notice that the Executive Committee is proposing new bylaws for our corporation to meet the requirements of California corporation law. At our last meeting, May 6, 1992, it was moved and seconded that the proposed bylaws be adopted. At our next meeting, June 3, 1992, the question will be put to a vote. The Executive Committee recommends the adoption of the proposed bylaws. You can obtain a copy of the proposed bylaws by sending W9FQN an SASE at 30311 Circle R Ln, Valley Center, CA 92082-4806 or pick up one at the June meeting.

SHOW and TELL will feature: 1)whatever you bring in (promises, promises, promises: W9FQN with roll up 2m emergency J-pole.

WANT TO BE A HAM

(or Dial-a-Ham)

If you or a friend are interested in becoming an amateur radio operator and/or in joining PARC, please contact one of the ELMERS listed:

*** E L M E R S ***

BONSALL ****** Nash Williams
W6HCD, Secretary, 728-3574
CARDIFF, . WB6R, 753-4821
CARL$BAD *** Benton Caldwell
KK6LX, Trea$urer, 729-5161
CARLSBAD, . N6QJE, 729-0850
CHULA VISTA, N6RUV, 422-4415
DEL MAR, . KC6BJM, 755-5244
ENCINITAS, WA6HQM, 753-2605
ESCONDIDO ***** Harry Hodges
WA6YOO,(President),743-4212
ESCONDIDO ***** Art Mc Bride
KC6UQH,(V-Pres), 741-8143

ESCONDIDO, KB6NMK, 741-2560
FALLBROOK, WA6IPD, 728-6834
La MESA, . N6UUW, 697-6025
LAKESIDE, . WB6GXR, 561-2211
LEUCADIA, . KG6VX, 436-9983
(continued)

#SK#####################SK#
- N6AT -
FRANK CASSEN
#
Frank, a long time mem-
ber of PARC, 62-92, died
Saturday, April 15th, of
heart complications. He
served long tours of duty#
on the Sunday ARES and
the evening traffic nets.#
For many years Frank re-
ported ARRL bulletins to
the club which he always
copied on CW. He will be
missed by all the nets &
those who knew him. 73
#SK#####################SK#

#SK#####################SK#
- KS6S -
BOB RICE
#
Bob, a long time member
of PARC passed away May #
15th. He was an active
CW operator, expert T-
hunter, FD operator, and
very active in providing
communications for public#
service events and Baja
road races. He will be
missed by his friends &
all who knew him. 73
#SK#####################SK#

#SK#####################SK#
- KA9HDI -
FRANK AZMANN
#
Frank, a relatively new
member of PARC passed
away in February of this
year. He will be missed
by all PARC club members
who knew him. 73
#SK#####################SK#

The club is looking for QSL cards of SK members that can be put on display at the repeater bunker on Palomar Mountain. If any present club members have cards of SK past members that we could use, please get them to W9FQN.

If any of you would like to prepare for the future, we will put your card ON HOLD!
##########################

LINDA VISTA, KB5MU, 571-8585
MIRA MESA, . W6TXK, 566-1959
OCEANSIDE, KC6PEN, 439-4109
OCEANSIDE, . W6TFB, 757-9374
POWAY, . . N6NNI, 748-8391
RAMONA, . . AA6UU, 789-3070
RANCHO Pen, W6OLQ, 672-3891
RANCHO S.Fe, WI6B, 756-3133
SAN DIEGO, . N6KI, 271-6079
$an Marco$,KC6WAN,Member$hip
Ralph Powell 727,7415 SAN MARCOS, AA6OM, 747-5872
SOLANA BEACH,N6CKQ, 755-9179
VlyCtr,W9FQN,Editor,749-0276
VISTA, . . KI6JM, 598-0420
VISTA, . . WQ6V, 726-0353
VISTA, . . WB6FMT, 758-4388

Gordon West's 232 page Technician Class, NEW NO-CODE, license preparation book is carried at HRO and Radio Shack dealers for $9.95. The Ameco books, Novice & Technician (#78-01 = #27-01 + #28-01) for the same total price, are excellent.

Prospective amateurs should be encouraged to purchase these book(s) immediately and start working on the multiple choice questions and answers. Mark the questions that you are having problems with and we will try to help you with those you don't understand. Come early to our meetings and see if you can get some of your more difficult questions answered before the meeeting.

LAST CLUB MEETING

The April 1st program was an excellent program by Bud Schurmeirer, former Deputy Director of JPL, who works now as a consultant on several Mars landing programs. His description and videos really gave us a good picture of how the six wheeled Mars Rover works and how the Mars balloon is able to take multiple samples all over the Mars surface by automatically landing for part of each day. A grand time was had by all in the wonderful Carlsbad Safety Center with its neat projection facilities.

Dennis-N6KI again had a table with hard to find items with 10% going to the club. SHOW and TELL featured a portable 2m beam built by Dave-KC6VEC.

Attendance was 103 with 90 members and 13 guests.

Art-KB6YHZ, Larry-KC6-PEN and Kay, again supervised the drink and goodie table. Barbara-KD6ECD brought cookies. Jim-KD6IVF brought a cake and Larry and Kay brought brownies.

PRESIDENTIAL QRM

Amateur Radio is such a great hobby. There is something in it for just about everyone. Coming up June 27-28 is ARRL Field Day. If your interest is building, there is the requirement to erect towers, beams, and to set up stations. If you are in to contesting there will be stations needing CW and SSB operators on all bands. All classes of licenses can participate. If you like to feed the group operating, you can flip burgers. The thing is to get involved. It's fun for all.

Another worthwhile

activity is participation in the Military Affiliated Radio Service (MARS). You can get involved in traffic handling, phone patching, acting as a NCS, or in training others. Current or prior service in the Military is not a requirement. One of the nicest experiences you'll ever have is to call some serviceperson's mom and pass along a message from overseas. It will make your day!

If you are interested in joining MARS, a handwritten note to one of the following addresses will get you started:

(Army MARS): Chief Army MARS, HQ USAISC, ATTN ASOP-HF, Fort Huachuca, AZ 85613-50000.

(Navy-Marine Corps MARS: Chief Navy-Marine Corps MARS, Naval Communication Unit, Washington, DC 20397-5161.

(Air Force MARS): Chief Air Force MARS: HQ AFCC/DOOCC, Scott AFB, IL 6225-6001.

You may join either Army, Navy-Marine Corps, or Air Force MARS but you may not join more than one MARS service at the same time. Send in for you application form today!

73,

Harry

HAM RADIO OUTLET
"LARGEST HAM OUTLET IN THE WORLD"
ALL MAJOR BRANDS IN STOCK NOW!
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CLAIRMONT MESA
HRO
MasterCard VISA
cushcraft CORPORATION
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DIAMOND ANTENNA
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AMERITRON
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ALINCO ELECTRONICS
AEA
TEN-TEC INC
Open:
10a.m. - 5:30p.m.
Monday thru Saturday
560-4900
or toll free 1-800-854-6046
5375 KEARNY VILLA ROAD, SAN DIEGO

EXECUTIVE MEETING

PRESENT: Harry-WA6YOO (Pres), Art-KC6UQH (VP), Nash-W6HCD (Sec), Benton-KK6LX (Treas), John-WB6IQS (Rptr-Tech), Ralph-KC6WAN (MShip), Jack-KI6JM, Stan-W9FQN (RSite), Dennis-N6KI, Bill-WB6MCU, Orlando-N6QVW, & Gene-WB6COY.

Club members are invited to attend these meetings to observe the Executive Committee in action ..or non-action.

DISCUSSED: finance ok, programs, Field Day (see FIELD DAY), selling of WB6MCU donated equipment for <$300, repeater construction, received SCR-10 controller, guy rope for FD, with most of the time spent on Field Day operation. Lemon cooky bars by Barbara-KA6FPS and everyone wanting FREE avocados got them ..can taste that guacamole now!

APPROVED: recomendation of passing new bylaws which will be presented to the club at the June meeting, $150 postage advance, Field Day <$300, & SR3 controller + misc $275.

NEWSLETTER HELPERS

May 1992 SCOPE

KC6WAN,Ralph Powell,printing

of labels, giant computer
KB6YHZ, Art Nye, folding
KB6YHY, Anita Nye, labels
WA6YOO, Harry Hodges, staples
N6TCB, Jerry Carter, sorting
N6QJE, Eleanore Call, labels
KI6JM, Jack Hanthorn, folding QTH and refreshments
W6TFB, Lloyd Hunt, folding
W6OLQ, John Tentor, billing
W9FQN, Stan Rohrer, Editor, SCOPE printing, P.O.Forms

Without these people life would be difficult, THANKS!

RECOGNITION

Ted-KD6AKT for picking up a 6' repeater for the club complete with outdoor sealed cabinet at a cost of $5. We really appreciate club members keeping an eye out for bargains like this.

Chuck-KE6SE and Sherry-KC6RQW for again working on the PARC information brochures which are provided to local public places: Radio Shacks, HRO, libraries, and company bulletin boards. The brochure was created by Jo Ashley-KB6NMK.

Ron-KM6MW for pausing for other hams to enter the 8pm commute time slot on 146.730. Ted-KD6AKT for doing the same during the 7:30 commute slot. There are many hams listening and it is nice to pause every now and then to see if any of them would like to join your group.

Tom-KC6ZVI for the donation to the club of disk drives, 3 keyboards, 2 pwr supplies, 3 monitors, etc. These will be used in club projects or taken to the local swap meet.

At the last meeting someone donated 4-5 SAVVY PC instruction books and we would like to know who. If you are interested in these books, please contact W9FQN before the June meeting.

Dennis-N6KI for providing ur editor with monthly copies of the NASA Tech Briefs ..they are always interesting reading. You can find these copies on the club FREE table at club meetings after I finish with them ..also for giving the club prices on estate sales.

Editor

After reading the By-laws prepared by Jack-KI6JM, I am convinced that we should adopt them at the June club meeting as they presently stand before the new club year begins. Changes in the By-laws are easy enough to make and modifications that need to be made can be done later. I would hate to see the entire set of new Bylaws held up while we discuss several minor changes that might need to be made sometime in the future.

On Friday, May 15th, at 7:00am I gave a talk to employees of the Olivenhain water district at the request of Tim Farris, a new club member. We covered club activities in emergencies and how to become an amateur radio operator. My next talk will be with the ROARS Club in Ramona, May 27th.

73, Stan, W 9 F Q N
30311 Circle R Ln
Valley Center, CA
92082-4806, Ph 749-0276

REPEATERS, etc.

W6NWG TrustT: Ron W. WI6B
TECHNICAL : John K. WB6IQS
AUTOPATCHES: JerryH. WB6FMT
450 RPTR : Mike D. KC6KCQ
KA6UAI RPTR.: Erik T. KA6UAI
SITE OPERAT.: Stan R. W9FQN
WA6IPD RPTR.: Art R. WA6IPD

REPEATER UPDATES:

Normal: 145.050, 147.130 & 146.175

146.730 is still down in sensitivity several DB. Unknown reason. Also evidence of a "hang-up" problem back with us from time to time.

446.500: Eric-KA6UAI reports that the local repeater in Kerney Mesa is working again and linked to 147.130.

METRO LINK PACKET NODE, W6NWG-2: installed May 3rd and links the PARC 145.05 packet machine down south at 9600 baud rather than the normal 1,200 baud. Working but suspect signal levels can be improved between METRO NET NODES with better antennas.

449.425: new repeater working better than old repeater even with desense problems soon to be corrected. Autopatch is working FB.

CONTROL OPS FOR REPEATERS and AUTOPATCHES:

WI6B-Ron-A WB6IQS-John-A
W9FQN-Stan-A WB6FMT-Jerry-A
WA6YOO-Harry-A KA6UAI-Erik-K
N6NZX-Carl-A KB6NZA-Mary-A
KC6PEN-Larry-A KC6KCQ-Mike-A
N6TJT-Chuck-A KB5MU-Paul-P
WA6IPD-Art-W

A=all repeaters except for WA6IPD, P=packet, K=147.130, and W=WA6IPD.

Control operators very seldom shut down the repeaters other than for repairs being done at the site. The repeaters could be shut down for some of the following reasons although control operators are reluctant to turn off the repeaters since they might be needed for an emergency call:

violation of FCC rules, ie.

---business, music
---improper language, etc violation of PARC standards
---SOUNDS like business
---discussions that might invite jamming
---improper use of rptr without permission improper use of autopatch
---SOUNDS like business
---avoiding phone charge
---improper subjects(s)
---making chit-chat calls
---talking too long

Don't be afraid to use the autopatch for a social call from your mobile or home station if it is a demonstration of amateur radio. Control operators sometimes make calls from their home stations to check on the autopatch system audio levels and access codes to see if there have been changes in the system.

In the case of problem autopatches there is the possibility that nothing will be said to the amateur but the telephone number being called could be removed from the approved listing of phone numbers WITHOUT notification.

Control OPS are reluctant to sit in judgement of your calls but the club needs to be protected since the FCC is now assigning fines of up to $10,000 for not complying with their rules.

"Mac" - W9WV

LOYAL M. HANSON
Registered U.S. Patent Attorney
Fallbrook 723-0620

FARMERS INSURANCE GROUP OF COMPANIES
Agent
Tim Hoy
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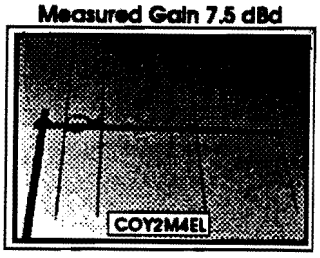
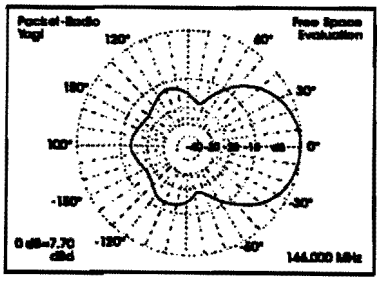
La Mesa, CA 91941

No.1 5A Field Day!

Swiech Communication Systems
Two Meter Yagi Great for Packet Radio or FM
Measured Gain 7.5 dBd



H-Plane beamwidth 60 deg
Bandwidth 144.5-147.5 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon SO-239
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



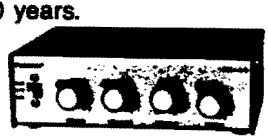
(619) 748-2286
Gene Swiech, WB9COY

KEYS & KEYERS
PK-100 Dual Paddle Key $109.95

PK-103 Single Paddle Key $99.95

PK-105 Hand Key $99.95

Machined brass by Kent of England. Assembled by Palomar in California. Rotary ball bearings. Smooth, effortless action. The greatest improvement in keys in 20 years.
PK-44 Keyer $119.95



Iambic keying with dot and dash memories. Monitor speaker. Fully adjustable speed, volume, weight, and pitch. Keys any rig old or new.
PK-50 Message Memory Keyer $189.95

New! Easy to learn and easy to use. Four memories. Monitor with variable pitch and volume. Contest serial numbering, pause, etc. *THE* contest keyer. Add $4 shipping. Tax in Calif.
PALOMAR ENGINEERS
Box 455, Escondido, CA 92033, USA
Tel. (619) 747-3343

NEWS

ALARM - Another alarm system was installed May 9th by Mike-KC6KCQ. For the present it is only connected to the 449.425 repeater and one other frequency. When there is an intrusion the .425 repeater will send out in Morse code A-L-A-R-M every minute or every 10 minutes WITH the W6NWG/R ID depending upon the intrusion. If you hear the alarm, please notify a club officer immediately. The system will be expanded to the other repeaters SOON with the 147.13 repeater being next in line. We hope the four different alarm systems with LOCAL and GENERAL area notification will provide us with the protection needed to protect our investment along with the two rattle snakes W9FQN caught in the grove and the Claymore mine just inside the door. John wants the snakes removed since they are not as responsive to his voice as his cat is and when they rattle near a repeater you sometimes can hear them over the air. In the early 70's we did have a repeater system stolen on 146.730-. (PS: I have three rattlesnakes in the freezer if someone would like to prepare them for Field Day snacks.)

AUTO PATCHES

AUTOPATCH STATUS

146.175(100%), 146.730-(98%), 147.130(95%), & 449.425(93%). On .73 most problems are with members who forget to have their 107.2 PL turned on, .13 still has slight audio level problems, and .425 works fine but the new repeater still needs some adjustment of audio and filters.

The PALOMAR ARC autopatches cover the following Prefixes. The (S)ections they are in are marked with a 1, 2, or 3. Obtain access codes at club meetings or SASE to W9FQN.

1=VSTA, 2=MMSA, and 3=LMAS

Prefx S	414 =1	460>9=3	491>8=3	520>9=3	591 =1	660>9=3	710>9=2	756>9=1	940>5=1
220>9=3	417 =2	470 =3	500 =2	530>9=2	592 =2	670 =3	720>9=1	763 =1	965 =2
230>9=3	419 =2	471 =1	502 =2	540>9=2	593>6=3	672>4=2	731 =1	788>9=1	966>7=1
250>9=2	420>9=3	472 =3	504 =1	550>9=2	597 =2	679 =2	737>9=1	792>3=2	968>9=2
260>9=3	430>4=1	474>9=3	505>8=2	560>9=3	598>9=1	685>9=2	740>1=1	844 =2	970>9=2
270>9=2	435 =3	480 =1	510 =1	570>9=3	603 =1	690>2=3	742 =1	884 =3	980>9=2
280>9=2	436 =1	481 =2	512>3=1	580 =3	604 =2	693 =2	743>7=1	911 Emg.	990>9=2
290>9=3	437 =3	482 =3	514 =2	581 =2	611 RePr	694 =3	748 =2	923 =3	____=_
330>9=3	438>9=1	483>8=2	516 =1	582>5=3	630>2=1	695 =2	749 =1	926 =3	____=_
390 =3	440>9=3	489 =1	518 =2	586>7=2	634 =1	696>9=3	751>4=1	929 =1	____=_
400>9=2	450>9=2	490 =2	519 =1	588>9=3	650>9=3	701>2=2	755 =2	931 =1	____=_

The above prefix locations are what we think we programmed into our computers but there could be some errors between sections 2 and 3 so we suggest that if after dialing your number you get returned to a dial tone, you should try the nearest adjacent section ..then let us know about any errors.

> COUPON <

This coupon is gud for one visit to the PARC repeater site with a guided tour of all facilities and expert explanation of repeaters & antennas. Work included.

> COUPON <

This coupon is good for 5 autopatch attempts to test out your ability to access the PARC autopatch system during emergencies. If you don't use it, you loose it.

> COUPON <

This coupon is gud for two visits to the Field Day site on June 27th and 28th. Bring a friend ..or your "live in" for the same price. A free drink is included.

EVERY CLUB MEMBER USING THE AUTOPATCHES IS AN ASSISTANT CONTROL OPERATOR FOR THE AUTOPATCH =YOU= ARE RUNNING. =YOU= ARE THE ONE WHO DIALED UP THE NUMBER AND =YOU= ARE THE ONE ESTABLISHING CONTACT (THIRD PARTY) WITH THE PERSON BEING CALLED. =YOU= ARE RESPONSIBLE FOR EVERY WORD THE PERSON =YOU= ARE TALKING TO SAYS (ie, business, music and wording on answering machines, bad language, etc) AND =YOU= ARE RESPONSIBLE FOR SHUTTING DOWN THE PATCH IF THE PERSON =YOU= ARE TALKING TO DOES NOT CONFORM TO FCC AND PARC STANDARDS OF SPEECH. =YOU= HAVE THE CON-

TROL CODES FOR TURNING OFF THE PATCH AND SINCE =YOUR= HAND IS ON =YOUR= MIC =YOU= CAN SHUT DOWN THE PATCH QUICKER THAN A CONTROL OPERATOR CAN WHO POSSIBLY IS MONITORING SOME DISTANCE FROM HIS REGULAR CONTROL TRANSMITTER OR THE TELEPHONE. =YOU= ALSO HAVE COMPLETE CONTROL OF THE PATCH WITHOUT THE SHUT DOWN CODE SINCE PRESSING =YOUR= MIC AUTOMATICALLY TURNS OFF THE THIRD PARTY LINK AND ONLY ALLOWS =YOUR= VOICE TO BE HEARD. WHEN =YOU= ARE TALKING THE THIRD PARTY CANNOT TRANSMIT ANYTHING AND ANYTHING THEY SAY CANNOT BE HEARD BY ANYONE. =YOU= ARE IN COMPLETE CONTROL!

IF =YOU= DO NOT EXERCISE =YOUR= ASSISTANT CONTROL OPERATOR DUTIES PROPERLY WHICH =YOU= ARE ACCEPTING BY MAKING AN AUTOPATCH CALL, THEN THE CONTROL OPERATOR =WILL= SEE TO IT THAT YOUR ASSISTANT CONTROL STATUS IS REVOKED ALONG WITH ITS PRIVILEGES. You will receive no notification, only a patch that refuses to complete your calls. Control operators usually will not contact you over the air and only in rare cases over the phone about problems. You know the rules.

We really have had almost no problems with the autopatch system so far or its use and we want to keep it that way. Our patches cover 2,000+ square miles of San Diego County and 99.9% of =all= phone numbers from high visibility repeaters in contrast to a local repeater serving a limited area. The FCC does monitor in SDCo and they can easily hear everything— and it is the club's intention to operate CLEAN autopatches.

IN THE BEGINNING the autopatch computers were programmed with telephone lists given to us by the telephone company and we know that from time to time they do add telephone prefixes as their service expands. If you cannot find your prefix in the list provided, please let us know so that we can add it to our "allow" table for your area. Our computers have limited memory so in the beginning we only put in prefixes that we knew were in use. By the time the prefix list increases significantly we hope to have the giant computer in control of the autopatch system.

In emergencies, it is possible for some control operators to make long distance phone calls, if needed.

For some reason or another the MMSA patch was down for several hours on Wednesday, March 5th. We have had NO equipment failures on any of the three constructed patches since they have been installed but they have been put out of service accidentally. LMSA had the plug pulled when a garage was cleaned and again when one of the kids "turned off" the red light shinning in the garage! The MMSA patch could have had a local power failure for a short time and the VSTA patch was accidently left "off line" after a testing operation. The VSTA patch was off April 2nd in the afternoon so it could be installed in a new rack with emergency batteries. The LMSA and MMSA patches will also be off the air some Saturday or Sunday in the near future (end of May or the first two weeks in June) for addition of racks and emergency batteries which should complete our project of making them ready for emergencies ..or the BIG ONE. It is coming!

Your autopatches are being recorded. The FCC says that there must be a beep every 15 seconds to indicate that your conversation is being recorded OR advise you BEFORE you start the conversation that you are being recorded. SO, THIS IS YOUR NOTIFICATION THAT YOU ARE BEING RECORDED for logging purposes and we are doing the notification in writing in the SCOPE. Everyone using the PARC autopatch system on Palomar Mountain IS being recorded along with the date and time of day. We also have a computer recording your called numbers and frequency. Your use of the patches is your consent to being recorded and abiding by PARC and FCC rules.

WORK PARTIES

(4-12) John-WB6IQS worked on a receiver and discovered a poor oscillating crystal. Stan-W9FQN and Mike-KC6KCQ worked on the tower adjusting several antennas and checking for water in several runs of heliax (coax). No water was found but they did discover 4-5 cracks in a jumper. The control antenna was moved higher up the tower. Plans were made for the next work day where we will be installing a crankup tower and antennas.

(4-25) Mike-KC6KCQ installed a receiver that John-WB6IQS repaired.

(5-3) Mike, John, and Jerry-WB6FMT installed the

new 449.425 repeater which is much better than that old machine but does have some audio level problems which need to be corrected to increase deviation from 2.9kc up to 4.5kc. Since there was not enough audio for the autopatch, it will be connected up later.

Jerry also made some modifications in the autopatch center that needed to be made.

Stan and Larry-KD6DCK worked at the 65' level replacing a dual band 2m-70cm antenna which was used with the autopatch system with a 23' 70cm collinear for the new 449.425 repeater. John then moved the autopatch system up to the old 4-bay 450 dipole antenna.

Tom-KD6FKG moved an old 450 beam so that it could be used with the new METRO-LINK high speed packet unit and started the repair of a control antenna.

Kirk-KD6ADJ, from Torrey Pines H.S., helped Stan install a new 450 antenna. Climbers not working on the tower served as "ground crew" and sent items up the tower with rope and pully.

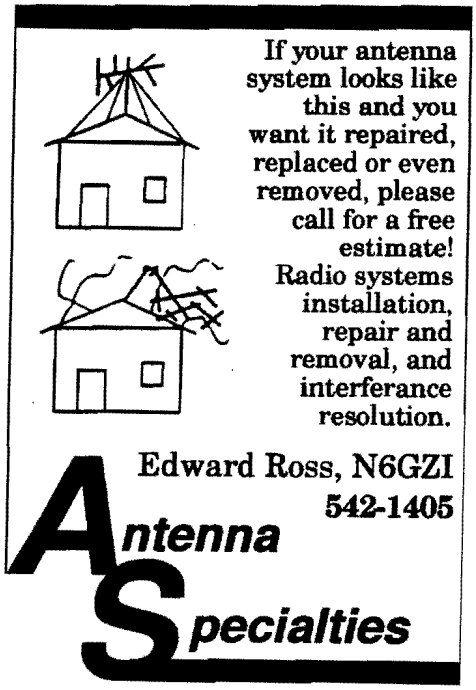
Paul-KB6MU worked on the new packet unit for the SD METRO SYSTEM and because of little activity on late Sunday afternoon was not able to find out how well everything worked ..more later.

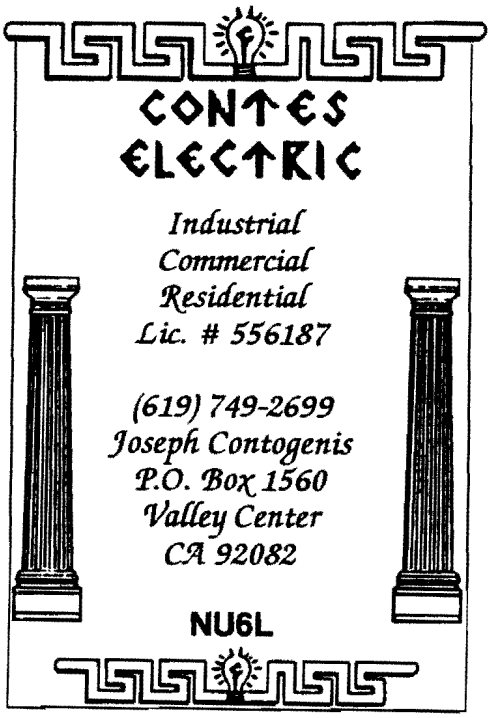
The crankup tower was moved to the site and it will be installed when some metal clamps are fabricated to hold it in place next to the bunker.

There were eight club members working at the site with some arriving at 10am and some leaving at 6:45pm ..and some doing both. It was a long day with Larry, Tom, Kirk, Mike, Jerry, John, Paul and Stan putting in over 70 hours of work. If you use the repeaters, you might consider putting in a few hours sometime working on that which gives you so much communication ability.

(5-9) Paul-KB5MU and Stan left an overcast sky and drizzle and broke out into brilliant sunshine at 4,000 to work at the site. Paul replaced some coax cables, tuned a cavity, and modified a beam for the new 450 packet link to South County. Stan climbed the tower several times to remove and install a 450 beam for the San Diego packet METRO NET.

(5-10) Mike-KC6KCQ visited the site to install the autopatch system on the new 449.425 repeater and to fix several audio problems. It appears as though audio distortion on marginal signals is due to desense of the receiver by the transmitter. Mike also installed another alarm system and hopes to install an additional one within weeks.





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F I E L D D A Y 1 9 9 2

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Harry-WA6YOO, PARC president, has appointed Field Day (FD) co-chairmen

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F I E L D D A Y 1 9 9 2
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Harry-WA6YOO, PARC president, has appointed Field Day (FD) co-chairmen this year with Dennis-N6KI (veteran of foreign wars) in charge of operations, and Bill-WB6MCU, interference chairman of SANDARC, in charge of equipment. Gene-WB9COY will be assisting them. FD will be June 27th and 28th. Since the next SCOPE will be in your hands around June 25th, we will have the latest information for you then.

It has again been decided that we are going to make another assault on 5A where we made NO.1 in the USA (6th all classes) for the first time beating out Huntsville ARC by 452 points who has been placing first in 5A. PARC during the past few years has been NO.1 in the San Diego area, and NO.1 in the state in 5A.

FD will again be held near the W9FQN and KA6FPS QTH by the water tank. Take I-15 north of Escondido 11 miles, Gopher Canyon off ramp east 100yd, north 100yd on old 395, right on Circle R Dr 2.5 miles, right on Circle R Lane .5 miles and park where everyone else is parking around the tank near the entrance.

The committee is in need of:
CAMPERS OR TRAILERS
WORKERS FRIDAY AFTERNOON
WORKERS SATURDAY MORNING
OPERATORS FOR SSB
OPERATORS FOR HIGH SPEED CW (and medium speed)
OPERATORS FOR NOVICE & TECH (especially CW operators)
NOVICE/TECH WORKERS
COMPUTER OPS, LOGGERS
COOKS & FOOD RUNNERS FOR OPS
GAS GENERATORS
VIDEO OPERATORS
WORKERS SUNDAY CLEAN UP
(C N6KI/KB6MCU June mtg)

We will again be operating SSB, CW, packet, Novice/Tech SSB & CW, and satellite stations.

Take a look at the list above and see where you could fit into the FD operation this year.

Remember that you get activity points for signing in which goes towards picnic prizes in August. You will receive tickets for SIGNING IN Friday, Saturday, and Sunday this year.

FORESAIL

Items should be sent to arrive by letter or phone at the Editor's QTH, W9FQN, (see Elmers) 13 days before the next meeting date with your NAME, CALL, PHONE NUMBER, and CITY. All ads in this section are FREE to club members. Commercial ads are $40/page to $5 for business card size.

(5-19) G5RV ant $35; various HF dipoles $15; FB(gud) IBM Selectric II correcting typewriter $150: Duane AA6EE 789 3674 Ramona.

(5-15) HTX-100 mobile xcvr 10m w/spkr & Hustler RMX ant (no mount) $225: C.L. Ball N6HLY 487 6272 SD. (yes, my phone number is 749-0276 & none of your five messages were on our answering machine -Ed)

(5-8) ICOM 751A FL52A xcvr, PS15 pwr sup, SP3 spkr, SM8 desk mic, HM12 hand mic, BM10 boom mic-headset $12000; R5 vert ant $190; ICOM 228H 2m xcvr spl2 spkr, dc cables(2), ARX2 ringo ranger ant $325 (all like new / manuals & cartons): Abe KC6UQA 432 8222 Escondido.

(5-7) Yaesu FT-203R 2m HT w/headset + .25wave ant + charger + extra high capacity battery; Hy-gain Mod 103BA 10m 3-el beam: Dave WA6HQM 753 2605 Encinitas.

(4-1) Tecktronics 5454 4chan 50mhz oscilliscope w/chart $100: Ted KC6ZRV 430 4676 Ocsd.

(4-1) Spring cleaning for Ham Shack. You don't want that dusty-rusty junk pile & I do! Call & I haul: Ron AA7GL 224 0068.

(3-29) Marine xcvr VHF digital freq control, AM-FM-Tape auto radio for boat, trade for HF, VHF, UHF xcvr: Steve W2MRM 451 5690 SD.

(3-14) Free QST mags 60's 70's: AL W6FXL 745 4436 Escondido.

(2-11) Bird watt meter slugs various freq and pwr levels each $25: Larry KC6PEN 439-4109 Ocsd.

~~(2-5) ICOM IC-37A 220 mobile xcvr $195: Richard W6GHD 224 9300 SD.~~

WANTED

(5-22) Merrit-W6NLO of RF PARTS, 1320 Grand Ave #126, San Marcos, 744-0700, is looking for a Ham to work full time. They sell Diamond antennas, and RF power transistors and tubes.

(5-19) Ham IV Rotator: Duane AA6EE 789 3674 Ramona.

(5-13) help with packet connected to an IBM computer: Paul KA6PPD 726 1657 Vista.

(4-22) Back copies of The DX Magazine & Ham IV Rotator: Duane AA6EE 789 3674 Ramona.

(4-22) Paul-KZ6X is looking for an experienced television service technician for home service (70%) and shop repairs (30%) in a growing N.Co. location:

436-2900.

(3-29) Fairchild (Dumont) 766H oscilliscope manuals, oscilliscope probes, electrostatic copy paper for old time copy machine: Steve W2MRM 451 5690 SD.

Rusty-AA6OM, our VE chairman, is looking for 2m xcvrs - prefers Yaesu: Rusty 747 5872H or 746 8141 x 50W.

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SAVE ON ARRL BOOKS

1992 Handbook (retail $25) $22.95

1992-3 Repeater Directory $5.25 or $3.95 with any other book order - see last months ad

All postpaid. Add 7.5% tax.

Duane Heise, A A 6 E E
16832 Whirlwind Lane
Ramona, CA 92065
Phone 789-3674

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HIGHWAY ELECTRONICS

All sorts electronic parts, some Frankenstein and some state of the art (1945).Misc goodies ..ALL MUST GO GO GO! Ask for NICK, 10am to 3pm call 967-7225 to see if open

305 WISCONSIN AVE
OCEANSIDE, CA

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MEMBERSHIP

Ralph-KC6WAN would like to have everyone help him by paying your next years dues EARLY and to always pay by check. Also consider paying for 2-3 years at a time since $12/yr is only $24 for two years which is still not much money and reduces Ralph's work in half. Please send all address changes to Ralph thru the club's Vista PO Box 73, Vista, CA 92085-0073, Ph 727-7415.

PLEASE!! HELP RALPH-KC6WAN HAVE AN EARLY START ON NEXT YEAR'S MEMBERSHIP. SEND CHECKS NOW! WAITING TILL JULY 15TH ONLY ADDS TO OUR PROBLEMS - and yours. WE NEED TO KNOW TOTAL MEMBERSHIP SO THAT WE CAN ORDER THE PROPER NUMBER OF AUGUST SCOPES TO BE SENT OUT ..and so we don't put your telephone number in the "drop list" for autopatches.

Some of our members are OUT OF STEP with their dues. This is due to their originally paying $12 for a year in the month that they joined or their monthly total was wrong. The following members, when they renew, should consider paying the following amounts to get back in step to take them up to July 31st (9307) although we would like to have you consider the second amount to take you to July 31st94 (9407):

Call/Now/to(9207)or(9307)			
KG6YGK	9206	.$ 1 . . .	.$ 13

Call Now to(9307)or(9407)			
KD6BFR	9212	.$ 7 . . .	.$ 19
KB6EPO	9208	. 11 . . .	23
K6ERW	9208	. 11 . . .	23
KC6FZN	9212	. 7 . . .	19
KD6GDL	9208	. 11 . . .	23
KD6GEH	9208	. 11 . . .	23
WB6HMY	9212	. 7 . . .	19
KD6HUH	9212	. 7 . . .	19
WA6NNC	9208	. 11 . . .	23
KC6UQG	9212	. 7 . . .	19
AC6V	9209	. 10 . . .	22
KC6VMR	9208	. 11 . . .	23
WRIGHT	9208	. 11 . . .	23

RENEWED: NØNOI, WA1ZEN, WI6B, KD6DLW, WB6HSZ, N6NAU, KC6QBD, KC6QXU, N6RAO, KC6UQA, W6WPO, W6YYV, WA6ZJC, WT7W

A SPECIAL WELCOME TO NEW MEMBERS: KBOAUP-Greg, KD6ACW-Paul, KD6ACZ-Dana, KD6ASH-Ernest, KD6CWI-Ruben, KD6DTV-Chris, KD6FEU-Chuck, KD6FQW-Ron, WD6FZX-Ray, KC6GGS-Joel, KD6HVN-Don(2yr), K6JQE-Pete, KI6YG-Frank, KD6YY-Bob, NM7V-Tim,

NEW ASSOCIATES: Richard Merrell waiting for his license.

NEW CALL: Jim Cook is now KD6IVF.

Membership now stands at 549 (5-22-92).

NEWS: Gordon Wenz-N6GW in response to Al-W6FXL having a license for 62 years (SCOPE-May-92-pg10) replies that he received his first license 4-6-29, two days before his 17th birthday and received W6BGF which he has had continuously for 63 years. Gordon changed his call in '77 when he received his extra class license.

Gordon writes "you may be interested to know that a former member of PARC, Harold Ulmer, W6EPM, was the one who introduced me to the world of amateur radio when we lived three or four blocks apart in Alhambra .. in the late 20s. Harold got his amatuer license a few months before I got mine. You probably know that Harold now lives in Oceanside and is busily producing vacumm tubes, for which there is still a market! 73, N6GW"

Frank Forrester-KI6YG, a science teacher at Challenger Jr. HS. in San Diego, is an advisor to the Jr. High amateur radio club. KI6YG and the club received a nice write up in their local paper when they made contact with the shuttle while in orbit and just before landing. (We hope to hear more of their activities in the future - Ed)

Your editor's talk for

the Olivenhain water district brought out the fact that one of the workers, Joe Correia, did some work for former "old time" member Gene Marygold, of Vista, who used to make RF amplifiers in Vista and now lives at 30 Jeanette Dr., Carson City, Nevada 89701, 702-246-3757. Joe has a scanner and listens to some of the amateur repeaters in the area. (Your editor does not know Gene but has seen his name in many of the club's historical items and has used his two meter amplifiers.

New members joining late in the month will be included in next month's SCOPE ..or the next.

VE testing information will be in the June SCOPE.

GENERAL NEWS

The following PARC members participated in the 1991 Phone and CW Sweepstakes contest last November with Ken-KA5Q scoring highest in the club on CW and the crew operating KZ6X the highest in the phone section for San Diego County. It should be noted that the KZ6X crew was the only one to work ALL SECTIONS (77) and scored the most number of contacts (1088).

SWEEPSTAKES CW CONTEST

#	Call	Points	Con	SecHr	Pwr
7	KA5Q	69,150	461	75	24 B
10	KB5MU	22,680	180	63	10 A
11	N6KI	20,838	151	69	10 A
12	AA6EE	20,040	167	60	5 A
13	AA6TR	18,480	154	60	24?A
15	K6XT	3,360	48	35	24?A

SWEEPSTAKES PHONE CONTEST

#	Call	Points	Con	SecHr	Pwr
2	KZ6X	167,552	1088	77	24A
10	AA6EE	19,220	155	62	24A
11	AA6UU	16,912	151	56	10A
14	N6UUW	11,092	118	47	11A
16	KB5MU	5,920	74	40	4A

KZ6X and crew (KC6VEC, N6s KI, UWW, & WLX) operated from the Field Day site using the Taco Wagon and the crankup tower on it ..almost like FD. ARRL must have put down 24hr of operation on several of our members because they forgot to indicate how much time they did spend in the contest. KZ6X was second in San Diego County including all stations but was first in its low power (A) category of 150 watts or less. "B" is 150 watts or more.

Perhaps we should have a club contest next year to see how many PARC members we can get to participate and who can make the most number of points.

LETTER FROM WB6IQS

I had an interesting visit to the SARA (Suburban Amateur Repeater Association) of Chicago, IL, in April of this year.

I was on company business to Underwriters Laboratories in Northbrook, and was talking on the 146.88 local repeater. The SARA group had a dinner meeting that evening and I came as a visitor.

The SARA group has a 2 meter repeater with four remote voting receiver sites. The four satellite receivers are located around Chicago and a central transmitter is located on the north end of downtown Chicago. Their transmitter runs 350 watts to a 6 dB gain antenna for 1,500 watts of radiated power. They also support a 450 repeater system but I have no information on it.

When I described our repeater system they wished that they had a 5,600' antenna tower under their system.

An autopatch system is available for members and/or emergencies but it is infrequently used.

The most interesting thing to me was that they are also having corporation problems as their documents have to be improved to comply with the Illinois corporate codes. Their original documents need additional voting corrections and board changes to comply. The Illinois codes do not seem to be as severe as the California codes. At least their original and proposed changes don't have 18 pages of close spaced type.

The dues are substantially higher than Palomar's. They require a $10 initiation fee and $30 per year. They have a bout 320 members and they are exclusively a repeater organization. There are no plans for Field Days, contesting, etc. as the Palomar Club supports. 73, WB6IQS

Art-K6XT, DXer and FD CW operator, now has his wife, KD6HFI, on the air joining the morning commute group. It sure is nice knowing where the other half is or that if they have troubles "out in the sticks" that they have a means of getting attention in case of problems.

Ted-KD6AKT of the .730 morning mobile group invites everyone to their lunch June 13th at 12pm at the Flying Bridge restaurant N. on Hill St, Oceanside, before Harbour. N6OPP's barbershop quartet providing music.

Palomar Amateur Radio Club Enlistment / Re-enlistment Application

AMATEUR CALL	CLASS OF LICENCE N T T+ G A E
ARRL MEMBER Yes No	DATE FIRST LICENCED
LAST NAME	OLD CALLS
FIRST NAME	DATE OF BIRTH
STREET ADDRESS	RACES Yes No
	ARES Yes No
CITY & STATE	RED FLAG Yes No
ZIP CODE	BLOOD DONOR BLOOD TYPE
HOME PHONE #	WORK OR OTHER PHONE #
THOS. BROS. MAP LOCATION.	INTERESTS
LICENCE EXPIRES	PARC FAMILY MEMBERS

Mail this form with your check to PARC, P.O. Box 73, Vista, Ca 92085-0073 or hand to Ralph, KC6WAN at club meetings. We prefer checks to cash, it's safer and you have a record.

Dues (including Scope) are $12 a year plus $9 for each additional family member at the same address.

Dues are prorated for NEW members: Aug, Sept, Oct, $12; Nov $9, Dec $8, Jan $7, Feb $6, Mar $5, April $4, May $3, June $2, July $1. Family members 75% of full price. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Call, name and complete address are required. Telephone number is requested but may be unlisted in roster if preferred. Other information may be omitted if you feel uncomfortable providing it to the club.

Comments: _____

For non-members: or $26 thru July'94
Dues Jun. to Jul. 31st are $2. Please consider paying (2+$12) $14 thru July'93

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